1635

Page 1 of 8

NOV 2 7 2002

**TECH CENTER 1600/2900** 



#10/RZw

RAW SEQUENCE LISTING

4 <110> APPLICANT: Dedhar, Shoukat

PATENT APPLICATION: US/09/840,704A

DATE: 11/21/2002

TIME: 11:22:39

39 leston

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Output Set: N:\CRF4\11212002\1840704A.raw

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     13 <141> CURRENT FILING DATE: 2001-04-23
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RAW SEQUENCE LISTING

DATE: 11/21/2002 PATENT APPLICATION: US/09/840,704A TIME: 11:22:39

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75			- 1	90		1			95					100			
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	Leu																
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RAW SEQUENCE LISTING DATE: 11/21/2002 PATENT APPLICATION: US/09/840,704A TIME: 11:22:39

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165 166 167 168 169 171 172 173 174 176 177 180 181 182 183 184 185 186 187	cctc gcct gctt ataa <210 <211 <212 <400 Met 1 Arg His Val Arg 65 Asp	gactoccost tggggg ttgtc aagtt 0> SE 1> LE 2> TY 3> OF 0> SE Asp Leu Gly Val 50 Gly	aaa q gtc q cac t ta t EQ II ENGTH (PE: RGANI EQUEN Asp Phe 35 Glu Asp	gcago catco ctgco ttgco ttgco NO: H: 45 PRT ISM: ICE: Ile 20 Ser Met Asp Gln	caggo ccctt cacat gaaaa : 2 52 Homo 2 Phe 5 Asp Pro Leu Thr Lys 85	Thr Asn Leu Pro 70 Leu	cgaac ctgga cccat cgtct aaaaa Diens Gln Thr His Met 55 Leu	Cys Glu Trp 40 Arg His	Arg Asn 25 Ala Gly Leu	Glu 10 Asp Cys Ala Ala Lys	Gly Leu Arg Arg Ala 75 Ala	Asn Asn Glu Ile 60 Ser	Ala Gln Gly 45 Asn His	Val Gly Asn	Ala 15 Asp Ser Met His Ala 95	Val Asp Ala Asn Arg 80 Val	1632 1692 1752

RAW SEQUENCE LISTING DATE: 11/21/2002 PATENT APPLICATION: US/09/840,704A TIME: 11:22:39

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\11212002\1840704A.raw

191 192	Asp	Gln	Val 115	Ala	Glu	Asp	Leu	Val 120	Ala	Asn	Gly	Ala	Leu 125	Val	Ser	Ile
193 194	Cys	Asn 130	Lys	Tyr	Gly	Glu	Met 135	Pro	Val	Asp	Lys	Ala 140	Lys	Ala	Pro	Leu
	Arg 145	Glu	Leu	Leu	Arg	Glu 150	Arg	Ala	Glu	Lys	Met 155	Gly	Gln	Asn	Leu	Asn 160
197 198	Arg	Ile	Pro	Tyr	Lys 165	Asp	Thr	Phe	Trp	Lys 170	Gly	Thr	Thr	Arg	Thr 175	Arg
199 200	Pro	Arg	Asn	Gly 180	Thr	Leu	Asn	Lys	His 185	Ser	Gly	Ile	Asp	Phe 190	Lys	Gln
201 202	Leu	Asn	Phe 195	Leu	Thr	Lys	Leu	Asn 200	Glu	Asn	His	Ser	Gly 205	Glu	Leu	Trp
203 204	Lys	Gly 210	Arg	Trp	Gln	Gly	Asn 215	Asp	Ile	Val	Val	Lys 220	Val	Leu	Lys	Val
	Arg 225	Asp	Trp	Ser	Thr	Arg 230	Lys	Ser	Arg	Asp	Phe 235	Asn	Glu	Glu	Cys	Pro 240
207 208	Arg	Leu	Arg	Ile	Phe 245	Ser	His	Pro	Asn	Val 250	Leu	Pro	Val	Leu	Gly 255	Ala
210	_			260				His	265					270		
212			275					Val 280					285			
214		290					295	Lys				300			_	_
216	305					310		Glu			315					320
218			_		325			Asp		330					335	
220			_	340	_			Phe	345					350		
222			355					Ala 360					365			
224		370	_			_	375	Trp				380				
226	385			_		390		Phe			395					400
228	_				405			Gly		410					415	
230				420		-	_	Leu	425	_		_		430		_
232			435		Pro	Lys	Phe	Asp 440	Met	Ile	Val	Pro	Ile 445	Leu	Glu	Lys
234	Met	450														
	<210		-													
	<211 <212				02											
	<213				Home	) sar	niens	:								
	<220					. Ju										

RAW SEQUENCE LISTING DATE: 11/21/2002 PATENT APPLICATION: US/09/840,704A TIME: 11:22:39

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\11212002\I840704A.raw

W--> 243 <221> NAME/KEY: Other 244 <222> LOCATION: (0)...(0) 246 <400> SEQUENCE: 3 247 Met Asp Asp Ile Phe Thr Gln Cys Arg Glu Gly Asn Ala Val Ala Val 249 Arg Leu Trp Leu Asp Asn Thr Glu Asn Asp Leu Asn Gln Gly Asp Asp 20 251 His Gly Phe Ser Pro Leu His Trp Ala Cys Arg Glu Gly Arg Ser Ala 40 253 Val Val Glu Met Leu Ile Met Arg Gly Ala Arg Ile Asn Val Met Asn 255 Arg Gly Asp Asp Thr Pro Leu His Leu Ala Ala Ser His Gly His Arg 75 70 257 Asp Ile Val Gln Lys Leu Leu Gln Tyr Lys Ala Asp Ile Asn Ala Val 85 259 Asn Glu His Gly Asn Val Pro Leu His Tyr Ala Cys Phe Trp Gly Gln 100 105 261 Asp Gln Val Ala Glu Asp Leu Val Ala Asn Gly Ala Leu Val Ser Ile 115 120 263 Cys Asn Lys Tyr Gly Glu Met Pro Val Asp Lys Ala Lys Ala Pro Leu . 135 265 Arg Glu Leu Leu Arg Glu Arg Ala Glu Lys Met Gly Gln Asn Leu Asn 150 155 267 Arg Ile Pro Tyr Lys Asp Thr Phe Trp Lys Gly Thr Thr Arg Thr Arg 165 170 269 Pro Arg Asn Gly Thr Leu Asn Lys His Ser Gly Ile Asp Phe Lys Gln 180 185 271 Leu Asn Phe Leu Thr Lys Leu Asn Glu Asn His Ser Gly Glu Leu Trp 272 195 200 273 Lys Gly Arg Trp Gln Gly Asn Asp Ile Val Val Lys Val Leu Lys Val 210 215 275 Arg Asp Trp Ser Thr Arg Lys Ser Arg Asp Phe Asn Glu Glu Cys Pro 230 235 277 Arg Leu Arg Ile Phe Ser His Pro Asn Val Leu Pro Val Leu Gly Ala 245 250 279 Cys Gln Ser Pro Pro Ala Pro His Pro Thr Leu Ile Thr His Trp Met 281 Pro Tyr Gly Ser Leu Tyr Asn Val Leu His Glu Gly Thr Asn Phe Val 275 280 283 Val Asp Gln Ser Gln Ala Val Lys Phe Ala Leu Asp Met Ala Arg Gly 295 285 Met Ala Phe Leu His Thr Leu Glu Pro Leu Ile Pro Arg His Ala Leu 310 315 287 Asn Ser Arg Ser Val Met Ile Asp Glu Asp Met Thr Ala Arg Ile Ser 325 330 289 Met Ala Asp Val Lys Phe Ser Phe Gln Cys Pro Gly Arg Met Tyr Ala 290 340 345 291 Pro Ala Trp Val Ala Pro Glu Ala Leu Gln Lys Lys Pro Glu Asp Thr 355 360

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/840,704A

DATE: 11/21/2002 TIME: 11:22:40

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\11212002\I840704A.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; Xaa Pos. 2,4,5
Seq#:17; Xaa Pos. 10,15